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1	US 20050013348 A1	20050120	14	Sub-optimal iterative receiver method and system for a high-bit-rate cdma transmission system	375/148
2	US 20040261002 A1	20041223	37	Iterative decoder employing multiple external code error checks to lower the error floor	714/786
3	US 20040258025 A1	20041223	14	Wireless lan compatible multi-input multi-output system	370/334
4	US 20040237025 A1	20041125	25	Reduced-latency soft-in/soft-out module	714/796
5	US 20040234004 A1	20041125	22	Time-domain transmit and receive processing with channel eigen-mode decomposition for MIMO systems	375/267
6	US 20040225949 A1	20041111	32	Method and apparatus for implementing a data processor adapted for turbo decoding	714/796
7	US 20040205446 A1	20041014	26	Decoding apparatus, decoding method, recording/reproducing apparatus, program storage medium, and program	714/792
8	US 20040196935 A1	20041007	16	Method and apparatus for iteratively improving the performance of coded and interleaved communication systems	375/350
9	US 20040184398 A1	20040923	28	Transmission mode selection for data transmission in a multi-channel communication system	370/203
10	US 20040161059 A1	20040819	20	Signal estimation methods and apparatus	375/341
11	US 20040151259 A1	20040805	13	Method of decoding a turbo-code encoded signal in a receiver and corresponding receiver	375/340
12	US 20040132416 A1	20040708	21	Equalisation apparatus and methods	455/82
13	US 20040128696 A1	20040701	19	Turbo coding for upstream and downstream transmission in cable systems	725/111
14	US 20040083082 A1	20040429	15	Iterative detection in MIMO systems	703/2
15	US 20040081074 A1	20040429	28	Signal decoding methods and apparatus	370/206
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2		Eidson, Donald Brian et al.
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4		Beerel, Peter A. et al.
5		Ketchum, John W. et al.
6		Coombs, Robert et al.
7		Yamagishi, Hiroyuki
8		Nieto, John Wesley
9	370/332	Walton, Jay Rod et al.
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11	455/456. 1; 714/755	Berens, Friedbert et al.
12	455/121; 455/19	Yee, Mong Suan
13		Bhaskaran, Ravi et al.
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18	US 20040015773 A1	20040122	19	High speed arithmetic operations for use in turbo decoders	714/786
19	US 20030236080 A1	20031225	34	Rate control for multi-channel communication systems	455/226.1
20	US 20030235147 A1	20031225	28	Diversity transmission modes for MIMO OFDM communication systems	370/204
21	US 20030138065 A1	20030724	18	Power and confidence ordered low complexity soft turbomud with voting system	375/346
22	US 20030125040 A1	20030703	72	Multiple-access multiple-input multiple-output (MIMO) communication system	455/454
23	US 20030108117 A1	20030612	22	Time-domain transmit and receive processing with channel eigen-mode decompositon for MIMO systems	375/295
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25	US 20030101402 A1	20030529	17	Hard-output iterative decoder	714/755
26	US 20030072291 A1	20030417	14	Multi-user detection method for a receiver in a MC-CDMA telecommunication system	370/342
27	US 20030066020 A1	20030403	31	Recording and reproducing apparatus, signal decoding circuit, error correction method and iterative decoder	714/794
28	US 20030043487 A1	20030306	31	Recording and reproducing apparatus, signal decoding circuit, error correction method and iterative decoder	360/25
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30	US 20030007577 A1	20030109	18	Turbo decoder with multiple scale selections	375/341
31	US 20020184596 A1	20021205	11	Iteration terminating using quality index criteria of turbo codes	714/794
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19	455/226. 2; 455/296	Kadous, Tamer et al.
20	370/342	Walton, Jay R. et al.
21	375/340	Mills, Diane G. et al.
22	455/450	Walton, Jay R. et al.
23	375/346	Ketchum, John W. et al.
24		Ariel, Meir et al.
25	714/786	Amrani, Ofer et al.
26		Brunel, Loic
27		Morita, Toshihiko et al.
28		Morita, Toshihiko et al.
29	360/46; 360/51	Sugawara, Takao et al.
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34	US 20020122423 A1	20020905	23	Method to improve performance and reduce complexity of turbo decoder	370/394
35	US 20020034261 A1	20020321	36	Rate n/n systematic, recursive convolutional encoder and corresponding decoder	375/298
36	US 20020029362 A1	20020307	43	METHOD AND APPARATUS FOR ENCODING AND DECODING A TURBO CODE IN AN INTEGRATED MODEM SYSTEM	714/752
37	US 20020021770 A1	20020221	29	Reduced-latency soft-in/soft-out module	375/340
38	US 20020015419 A1	20020207	23	Data transmission apparatus and method for an HARQ data communication system	370/468
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40	US 20010052104 A1	20011213	13	Iteration terminating using quality index criteria of turbo codes	714/792
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43	US 6829313 B1	20041207	20	Sliding window turbo decoder	375/341
44	US 6826722 B2	20041130	33	Method and apparatus for reproducing data and method and apparatus for recording and/or reproducing data	714/752
45	US 6813743 B1	20041102	16	Sliding window technique for map decoders	714/795
46	US 6810502 B2	20041026	35	Iterative decoder employing multiple external code error checks to lower the error floor	714/786
47	US 6798593 B2	20040928	28	Method and apparatus for reproducing data and method and apparatus for recording and/or reproducing data	360/53
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37		Beerel, Peter A. et al.
38	370/477; 370/538	Kim, Min-Goo et al.
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40		Xu, Shuzhan J. et al.
41	714/792; 714/796	Eidson, Donald Brian et al.
42	375/265; 714/796	Tarrab, Moshe et al.
43	375/262; 375/265; 714/795	Xu; Shuzhan J.
44		Miyauchi; Toshiyuki et al.
45	375/341; 714/755; 714/786	Eidson; Donald Brian
46	714/792	Eidson; Donald Brian et al.
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49	US 6763494 B2	20040713	27	Turbo product code decoder	714/780
50	US 6760388 B2	20040706	21	Time-domain transmit and receive processing with channel eigen-mode decomposition for MIMO systems	375/295
51	US 6757337 B2	20040629	9	Coding-assisted MIMO joint detection and decoding	375/267
52	US 6744580 B2	20040601	22	Method and apparatus for reproducing data and method and apparatus for recording and/or reproducing data	360/40
53	US 6738948 B2	20040518	11	Iteration terminating using quality index criteria of turbo codes	714/794
54	US 6732321 B2	20040504	14	Method, apparatus, and article of manufacture for error detection and channel management in a communication system	714/774
55	US 6718504 B1	20040406	31	Method and apparatus for implementing a data processor adapted for turbo decoding	714/755
56	US 6704376 B2	20040309	18	Power and confidence ordered low complexity soft turbomud with voting system	375/341
57	US 6697986 B2	20040224	22	Data transmission apparatus and method for an HARQ data communication system	714/751
58	US 6690737 B1	20040210	11	Device and method for determining maximum likelihood state in a decoding device	375/265
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60	US 6526538 B1	20030225	27	Turbo product code decoder	714/780
61	US 6484283 B2	20021119	41	Method and apparatus for encoding and decoding a turbo code in an integrated modem system	714/786
62	US 6452979 B1	20020917	14	Soft output decoder for convolutional codes	375/265
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51	375/240	Zhuang; Xiangyang et al.
52	360/39; 360/55; 714/792; 714/796	Hattori; Masayuki et al.
53		Dinc; Abdulkadir et al.
54	714/780; 714/794	Classon; Brian K. et al.
55		Coombs; Robert et al.
56		Mills; Diane G. et al.
57	714/758	Kim; Min-Goo et al.
58	375/262	Kim; Min-Goo
59	714/780	Ariel; Meir et al.
60	375/262; 714/777	Hewitt; Eric
61		Stephen; Karen J. et al.
62	375/341; 714/795	Ariel; Meir et al.
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65	US 20020122507 A	20020905	18	Multi-dimensional coded symbol carrier phase tracking system for set-top box, determines composite residual or prescribed function for multi-dimensional symbol based on estimate of multi-dimensional symbol	

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